	Application No.	Applicant(s)	
•	10/616,546	PEKER ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Allen Wong	2621	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to	olication. If not includ will be mailed in due	ed course. THIS
1. A This communication is responsive to amendment filed 1/14	<u>1/08</u> .		
2. X The allowed claim(s) is/are 1,2,5-19, renumbered as claims	<u>s 1-17</u> .		
 Acknowledgment is made of a claim for foreign priority under a) All Some* None the: 	nder 35 U.S.C. § 119(a)-(d) or (f).		
 Certified copies of the priority documents have 	been received.		
Certified copies of the priority documents have	been received in Application No	<u> </u>	
3. Copies of the certified copies of the priority do	cuments have been received in this i	national stage applica	tion from the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the re	quirements
4. A SUBSTITUTE OATH OR DECLARATION must be submitted in the submitted in			IOTICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) I including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-	948) attached	
1) hereto or 2) to Paper No./Mail Date			
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the			e back) of
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT 			Note the
Attachment(s)	5 Dalatina of Information	otoot Ammliantian	
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) 	5. Notice of Informal P6. Interview Summary	•	
	Paper No./Mail Dat	e	
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 	7. X Examiner's Amendr	nent/Comment	
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. Examiner's Statement	ent of Reasons for Alle	owance
or brotogical Material	9. Other	1111	
		MIM	
		Allen Wong	
		Primary Examiner Art Unit 2621	

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DETAILED ACTION

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Clifton Mueller on February 14, 2008.

The application has been amended as follows:

In the claims:

Claim 8, line 1, "claim 3" has been changed to -- claim 1 --.

Claim 9, line 1, "claim 3" has been changed to -- claim 1 --.

Allowable Subject Matter

- 1. Claims 1, 2 and 5-19 are allowed.
- The following is an examiner's statement of reasons for allowance: The prior art does not specifically disclose the combination of limitations of claim 1: a method for playing frames of a video adaptively, comprising the steps of: measuring a spatial frequency of pixel within frames of the video, wherein the spatial frequency is measured from discrete cosine transform coefficients of the pixels in the frames, and wherein basis functions of the discrete cosine transformation are in a form $\cos(\pi k_x)$

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+ 1) / 2N) x $\cos(\pi k_y (2y + 1) / 2N) = \cos((2\pi k_x x / 2N) + (2\pi k / 4N)) x \cos((2\pi k_y y / 2N) + 2\pi k / 4N),$

where k_x is a frequency f_x in an x direction and k_y is a frequency f_y in a y direction in the frame represented as

 $\cos ((2\pi f_x x / N) + (2\pi f_y y / N)),$

where N is 8 for DCT macro-blocks, and each DCT basis is a superimposition of two two dimensional sinusoids; measuring a temporal velocity of corresponding pixels between frames of the video, wherein the temporal velocity is measured from motion vectors of corresponding pixels between the frames; multiplying the spatial frequency by the temporal velocity to obtain a measure of visual complexity of the frames of the video; and playing the frames of the video at a frame rate that corresponds to the measure of visual complexity.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allen Wong whose telephone number is (571) 272-7341. The examiner can normally be reached on Mondays to Thursdays from 8am-6pm Flextime.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John W. Miller can be reached on (571) 272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Allen Wong / Primary Examiner Art Unit 2621

AW 2/14/08